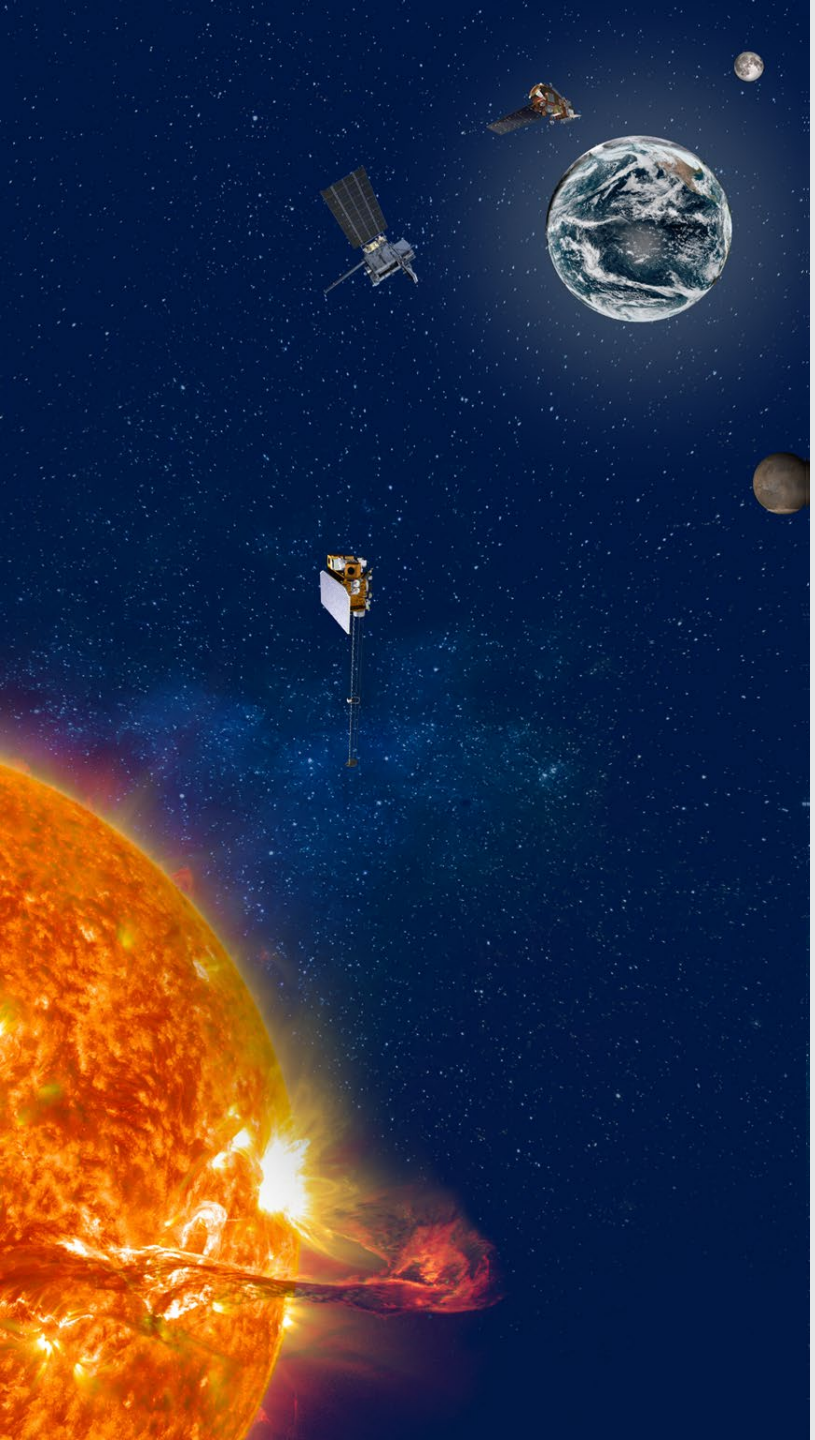

Interagency Space Weather Program Coordination and Governance

John Gagosian
Director, Joint Agency Satellite Division
Science Mission Directorate
NASA Headquarters

NASA’s Science Mission Directorate

Who We Are

NASA VISION
Exploring the secrets of the universe for the benefit of all.

NASA MISSION
NASA explores the unknown in air and space, innovates for the benefit of humanity, and inspires the world through discovery.

SMD VISION
To lead a globally interconnected program of scientific discovery that encourages innovation, positively impacts people’s lives, and is a source of inspiration.

SMD MISSION
Discover the secrets of the universe. Search for life elsewhere. Protect and improve life on Earth and in space.

Joint Agency Satellite Division (JASD)

With an institutionally independent perspective, JASD enables agencies to efficiently navigate the technical and policy landscape to achieve their strategic objectives.

Strategic Objective

Ensure excellence in the Nation's operational weather satellites by applying NASA's expertise in systems engineering and program and project management to satellite and ground system development

Major Activities

Advance collaboration opportunities with NOAA and partner organizations by:

- Establishing Interagency Agreements
- Formulating and Implementing Operational Missions & Technology Partnerships
- Facilitating Interagency Strategic Planning and Collaboration
- Enabling Lower Cost Access to Space through Interagency Rideshares and Hosted Payload Opportunities

JASD
JOINT AGENCY SATELLITE DIVISION

Program Portfolio:

- Geostationary Operational Environmental Satellites (GOES-R)
- Geostationary Extended Observations (GeoXO)
- Joint Polar Satellite System (JPSS)
- Near Earth Orbit Network (NEON)
- Space Weather Follow On (SWFO)
- Space Weather Next (SW Next)

JASD
JOINT AGENCY SATELLITE DIVISION
DSCOVR
Earth-Sun Lagrange Point 1
SWFO–L1
L1 SERIES A/B
JPSS-3
JPSS-4
NOAA-21
SUOMI NPP
NOAA-20
JASON-3 (CNES)
METOP-C (EUMETSAT)
METOP-B (EUMETSAT)
GOES-18
GeoXO-I1
GeoXO-I3
GOES-17 (on-orbit spare)
GeoXO-S1
GeoXO-S2
QUICKSOUNDER
GOES-16
GOES-U
GeoXO-I2
GeoXO-I4
L5/VIGIL
MISSIONS BY PHASE
FORMULATION
IMPLEMENTATION
OPERATIONS (NOAA OR INT'L PARTNERS)
MISSIONS BY ORBIT
U.S. LEO MISSIONS
INTERNATIONAL LEO MISSIONS
GEOSTATIONARY MISSIONS
LAGRANGE POINT MISSIONS

How Do We Execute NOAA/NASA Programs?

- SMD establishes reimbursable interagency agreements with NESDIS for each program, activity, or portfolio area
- SMD assigns the program/project to a NASA field center
  - All major programs and projects are assigned to **Goddard Space Flight Center**
  - Some smaller R&D tasks are assigned to other institutions such as Jet Propulsion Laboratory
- NOAA and NASA employees work side-by-side in integrated program offices
- Programs and projects are governed by NOAA/NASA Joint Program Management Councils, with NOAA exercising final decision authority
- SMD accepts funds from NESDIS and provides those funds to implementing center
- SMD works with Center to ensure we meet our commitment to our NOAA customer

JASD Space Weather Staff

Eric Holmes
Program Executive for SWFO, SW Next GEO

Charles Webb
JASD Deputy Director

Amy Treat
Administrative Business Professional

Dereck Robinson
Program Executive for SW Next L1 Series and L5

John Gagosian
JASD Director

How Are We Enabling the Future of Operational Space Weather?

- Organizing executive-level strategic coordination between NOAA and NASA to ensure strategic portfolio alignment and coherent stakeholder engagement
- Stewardship of SW Next Program and constituent projects
  - Tailoring NASA program/project management processes to meet NOAA customer needs
  - Achieving consensus on project acquisition strategies
  - Orchestrating key decision points for L1 Series, L5, etc.
  - Removing bureaucratic roadblocks to enable forward progress
- Coordinating with NASA Heliophysics Division and NASA Launch Services Program to ensure compatibility between IMAP, SWFO-L1, and Carruthers
- Collaborating with GSFC leadership on institutional oversight of project execution
- Engaging with industry leadership to ensure commercial space sector is ready to meet needs of current and future missions

Questions? Comments? Please reach out!

JASD
JOINT AGENCY SATELLITE DIVISION

john.s.gagosian@nasa.gov
charles.webb@nasa.gov
eric.b.holmes@nasa.gov
dereck.p.robinson@nasa.gov
amy.a.treat@nasa.gov